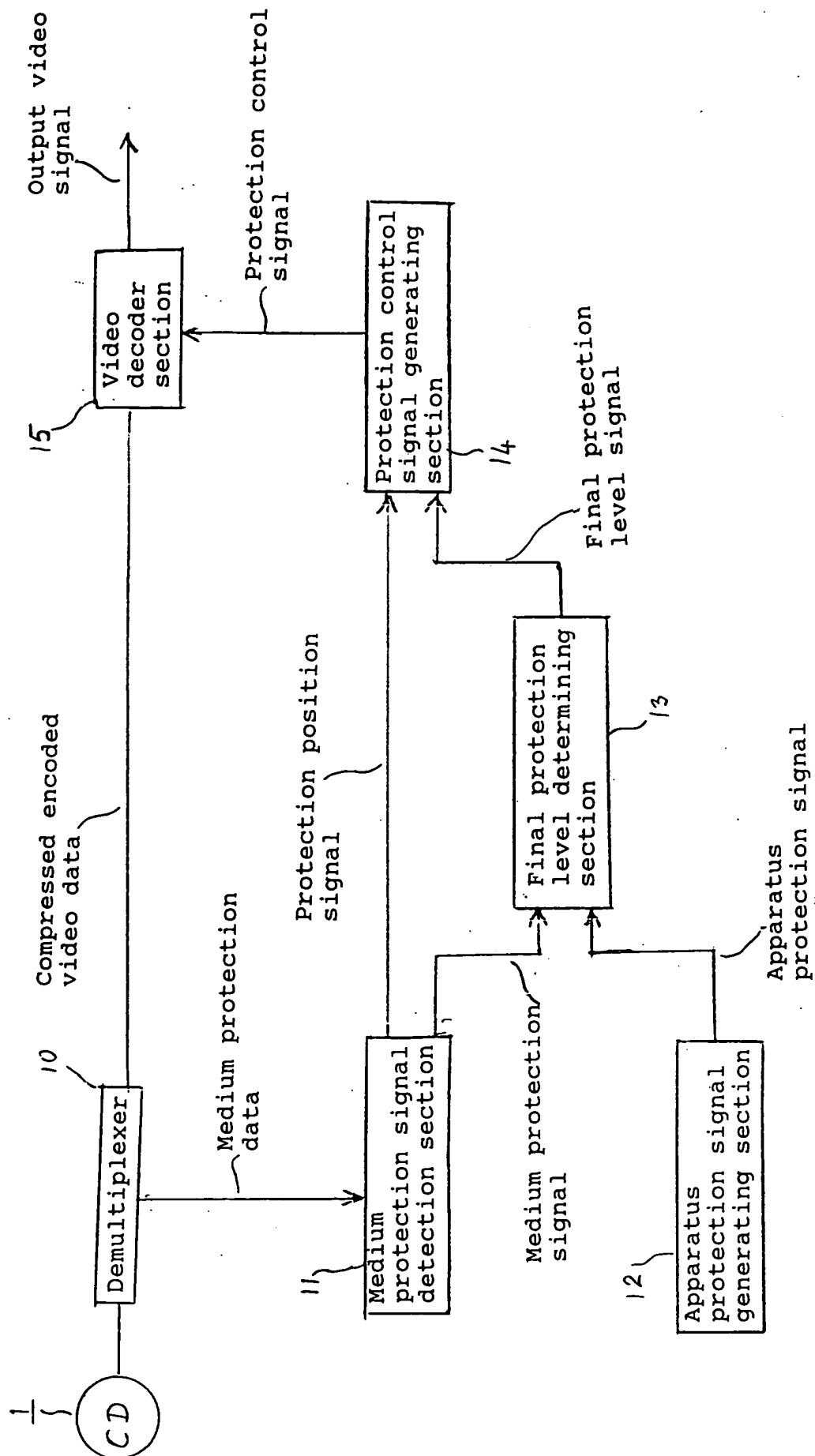


FIG. 1

2



SECRET 000000

FIG. 2

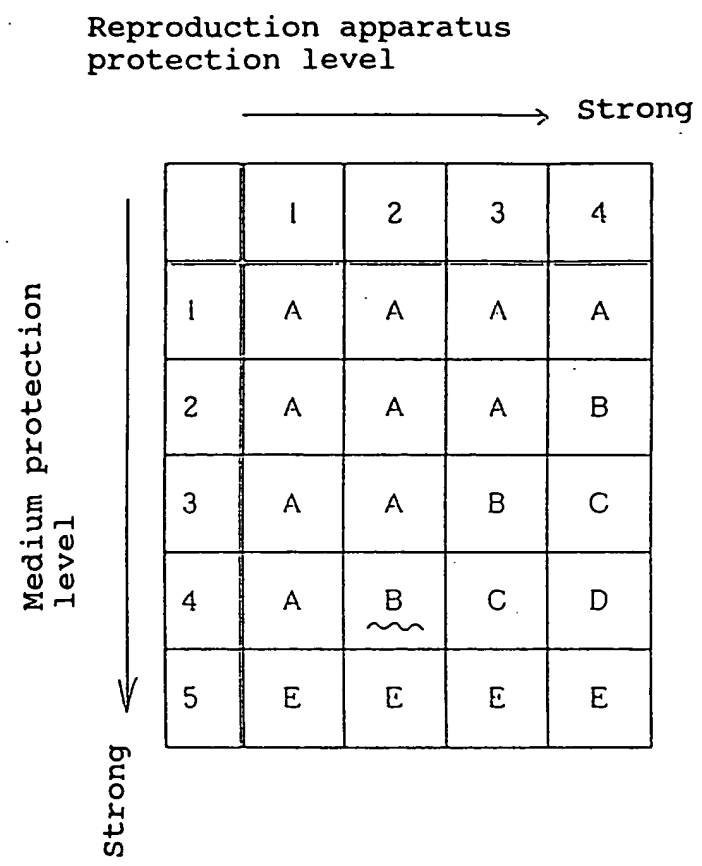


FIG.3

MEDIUM PROTECTION LEVEL →

Examples of medium protection	1	2	3	4	5
Based on U.S. movie ratings	FREE	PG	R	X	Other
Based on copyright protection	FREE	Restricted (weak)	Restricted (moderate)	Restricted (strong)	Other

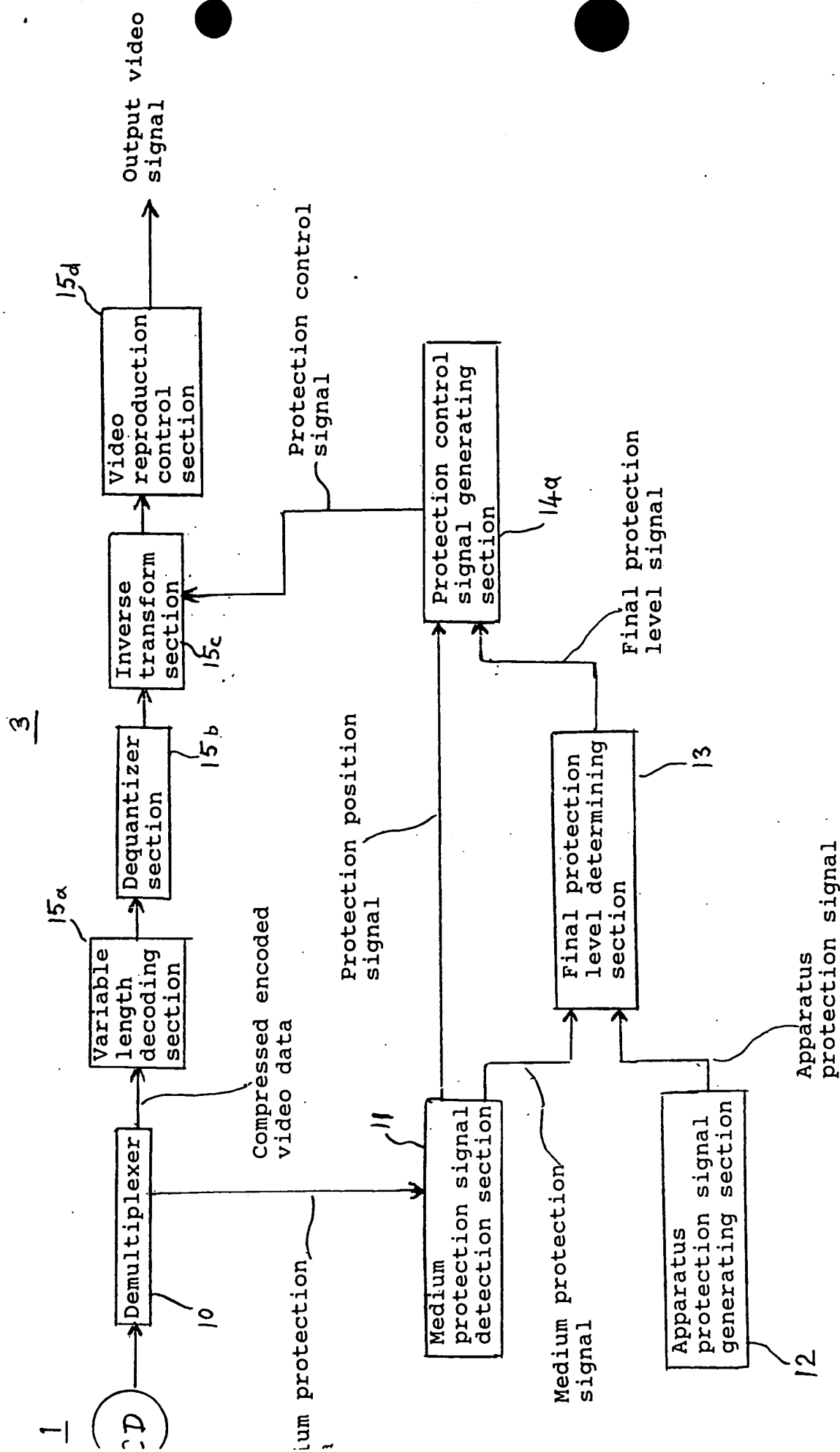
FIG.4

FIG. 4

APPARATUS PROTECTION LEVEL →

Examples of playback apparatus protection	1	2	3	4
Based on country	U.S.A.	Europe	Japan	Taiwan
Based on adult/child status	For adults	For adults	For adults	For children
Based on objectives	For items to be sold	For items to be sold	For in-store sales demonstration items	For in-store sales demonstration items

FIG. 5



SECRET - CONTINUED

FIG. 6

	Example of visibility grades, using spatial-domain protection control	Example of visibility grades, using time-axis protection control	Example of visibility grades, using protection based on video data bit-number control
A	All picture is visible	All picture is visible	All picture is visible
B	8 x 8 transform block size, DC coefficient and 2 AC coefficients	1 in 15 frames used	4 bits/sample
C	8 x 8 transform block size, only DC coefficient	1 in 60 frames used	2 bits/sample
D	16 x 16 transform block size, only DC coefficient	Specified frame(s) only used	1 bit/sample
E	Other picture displayed	Other picture displayed	Other picture displayed

FINAL PROTECTION LEVEL

FIG. 7

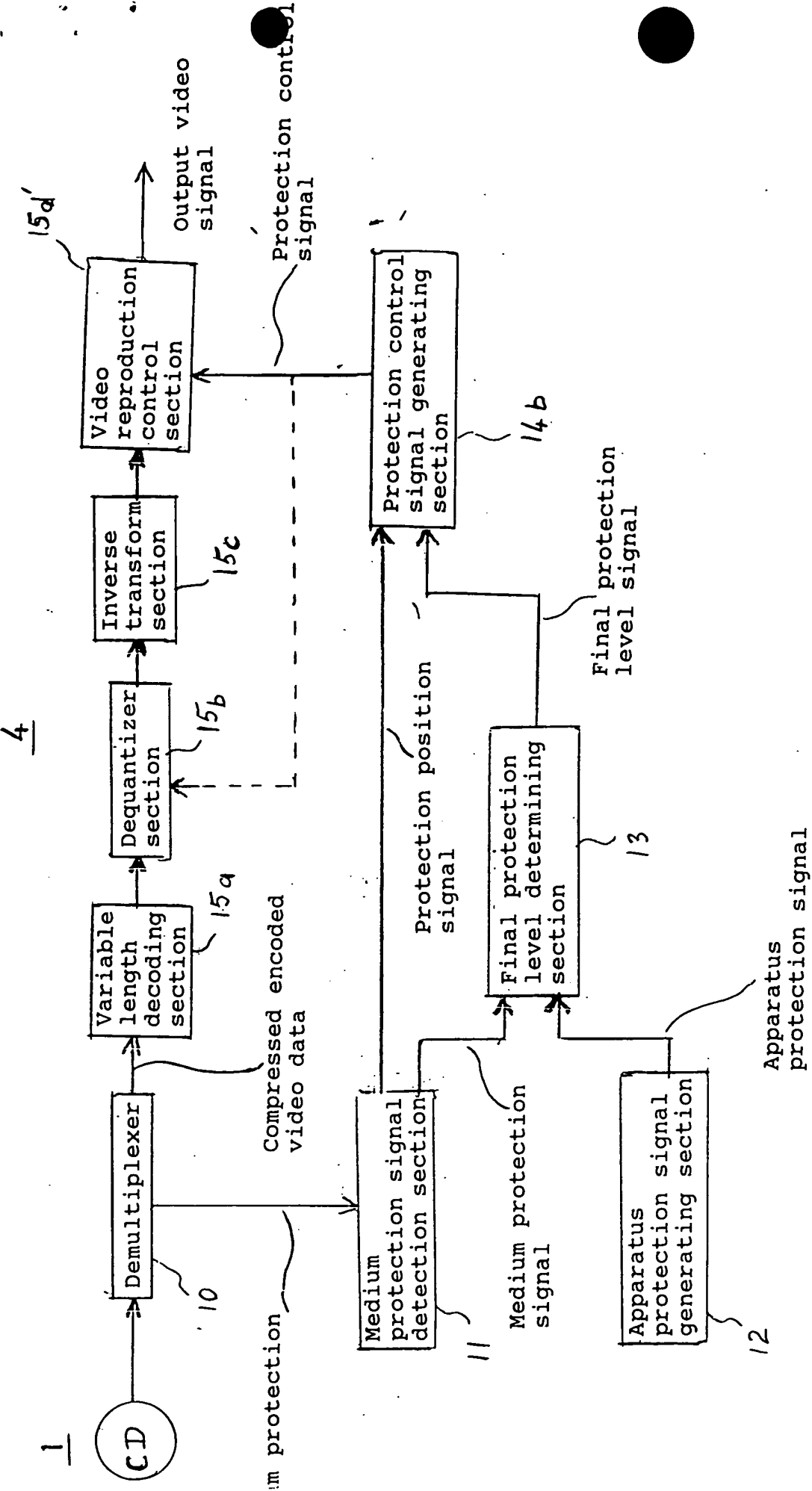


FIG. 8

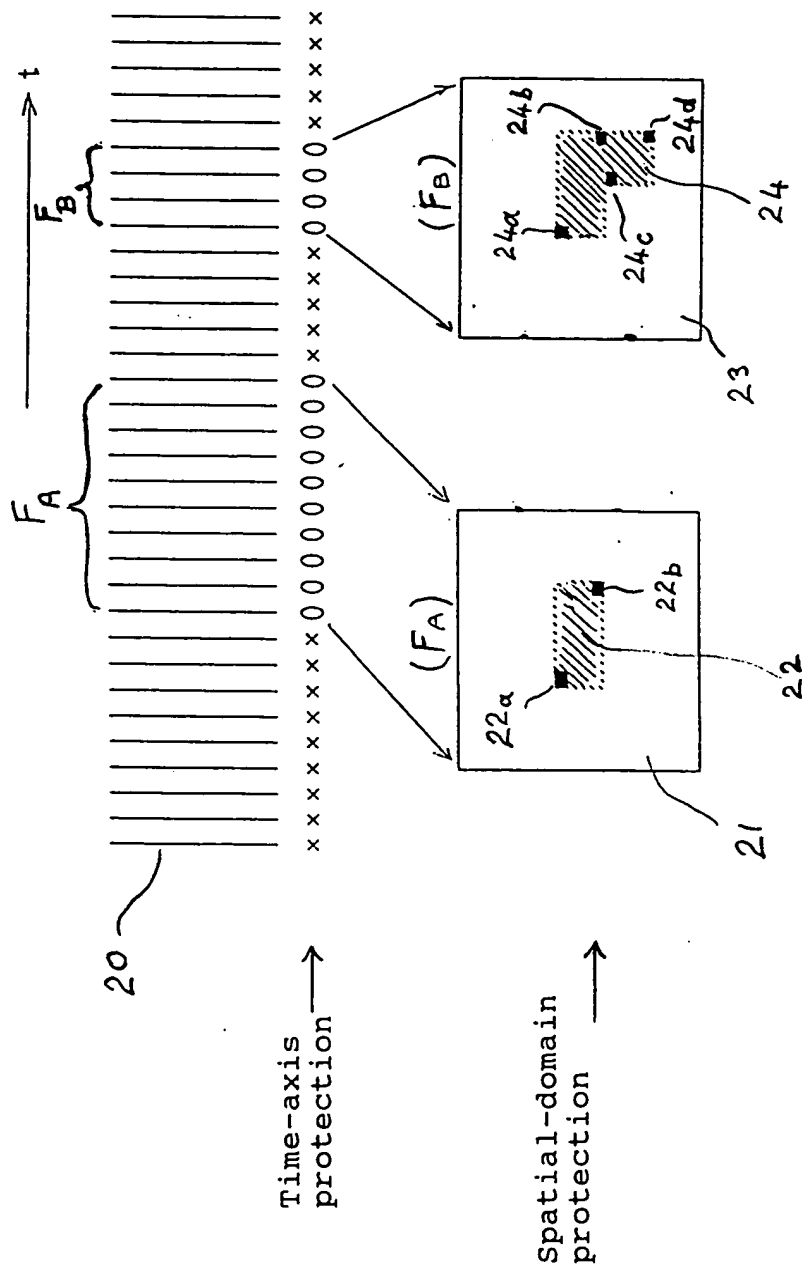


FIG. 9

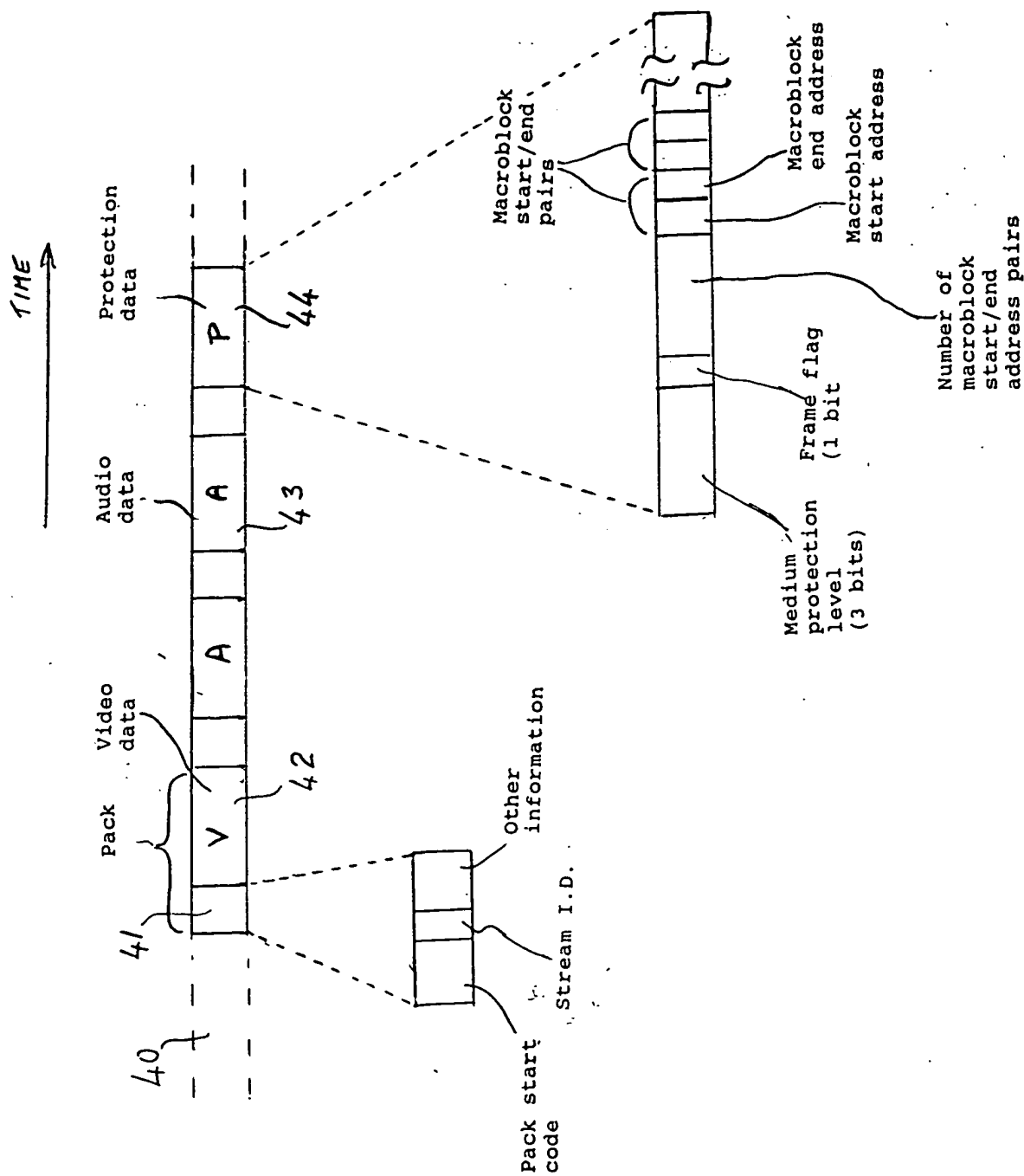


FIG. 10

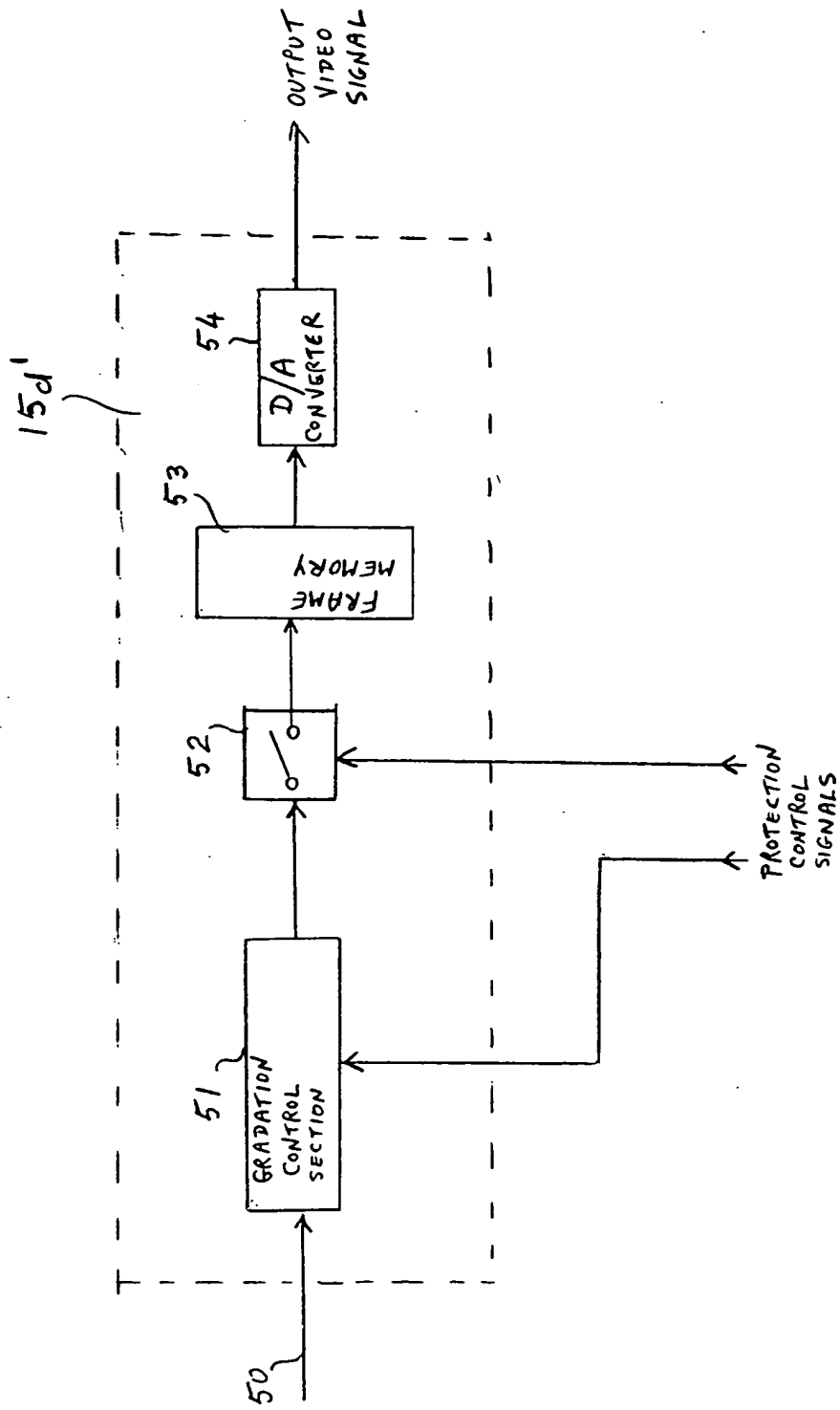


FIG. 11

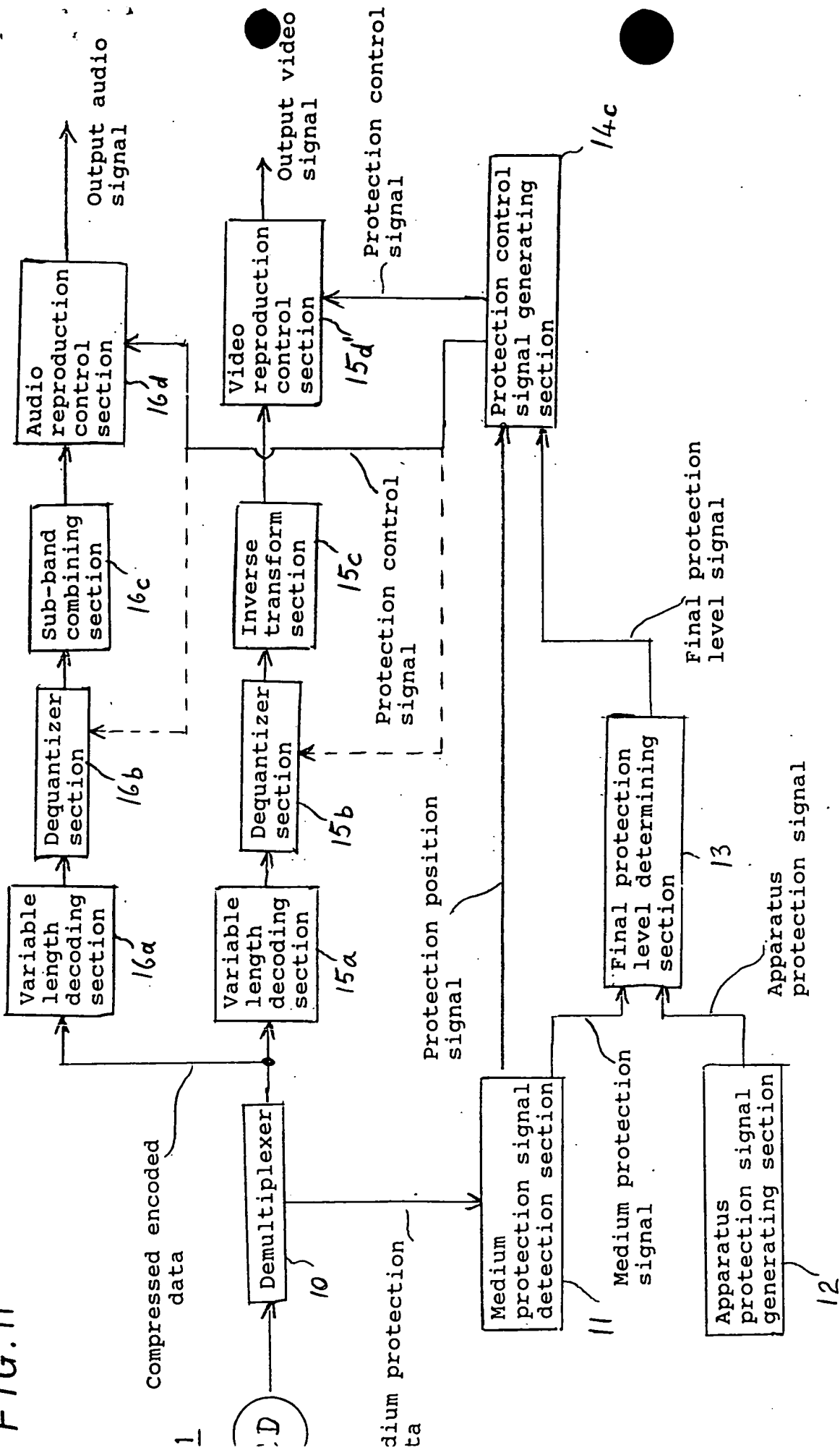
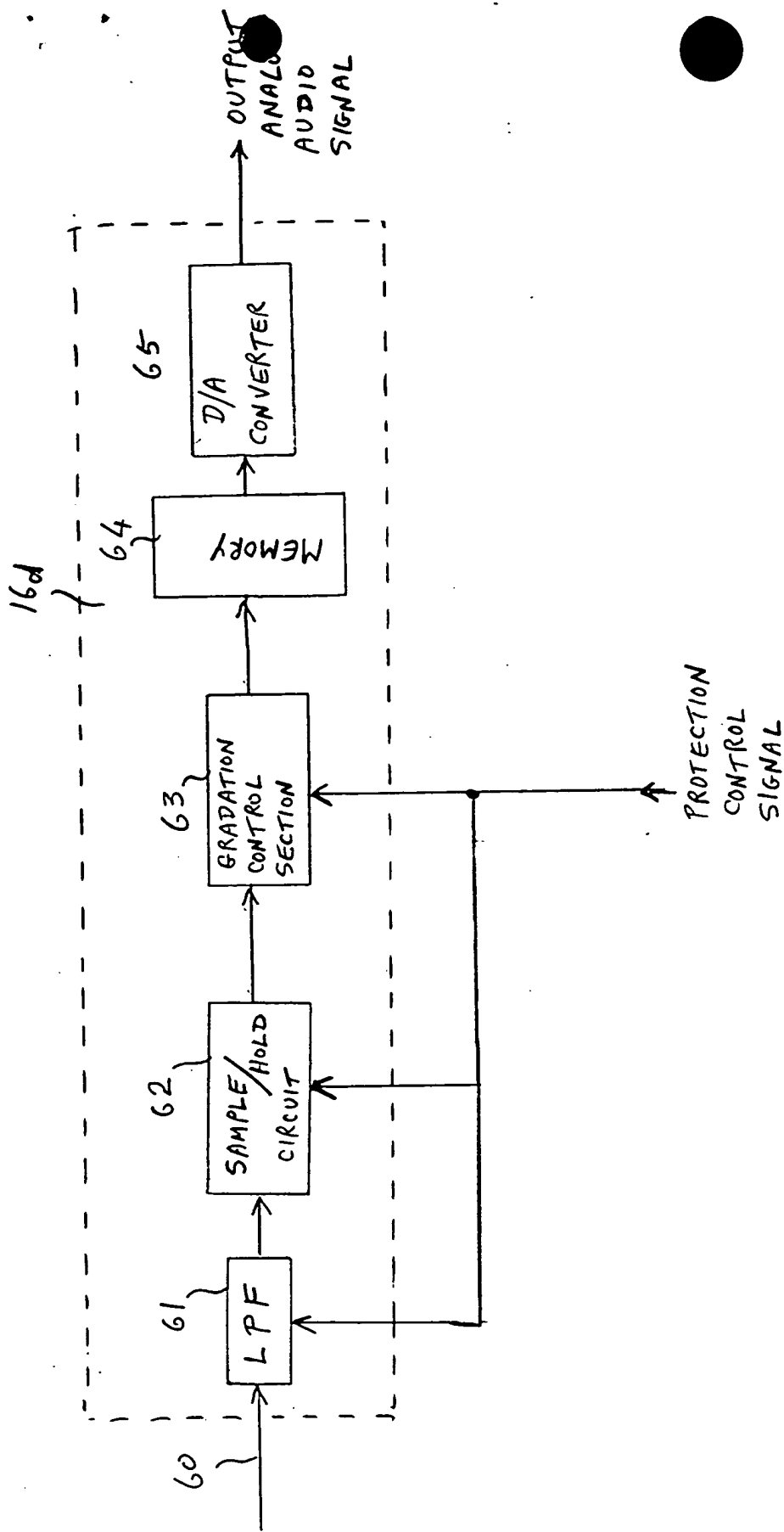


FIG. 12

	Example of audibility grades, using bandwidth-restriction protection control	Example of audibility grades, using time-axis protection control	Example of audibility grades, using protection based on audio data bit-number control
A	All of original audio signal reproduced	All of original audio signal reproduced	All of original audio signal reproduced
B	18 KHz	1 in every 2 samples is used	12 bits/sample
C	12 KHz	1 in every 3 samples is used	8 bits/sample
D	6 KHz	Only specified samples are used	4 bits/sample
E	No audio output signal	No audio output signal	No audio output signal

FINAL PROTECTION LEVEL

FIG. 13



Reproduction apparatus
protection level

→ Strong

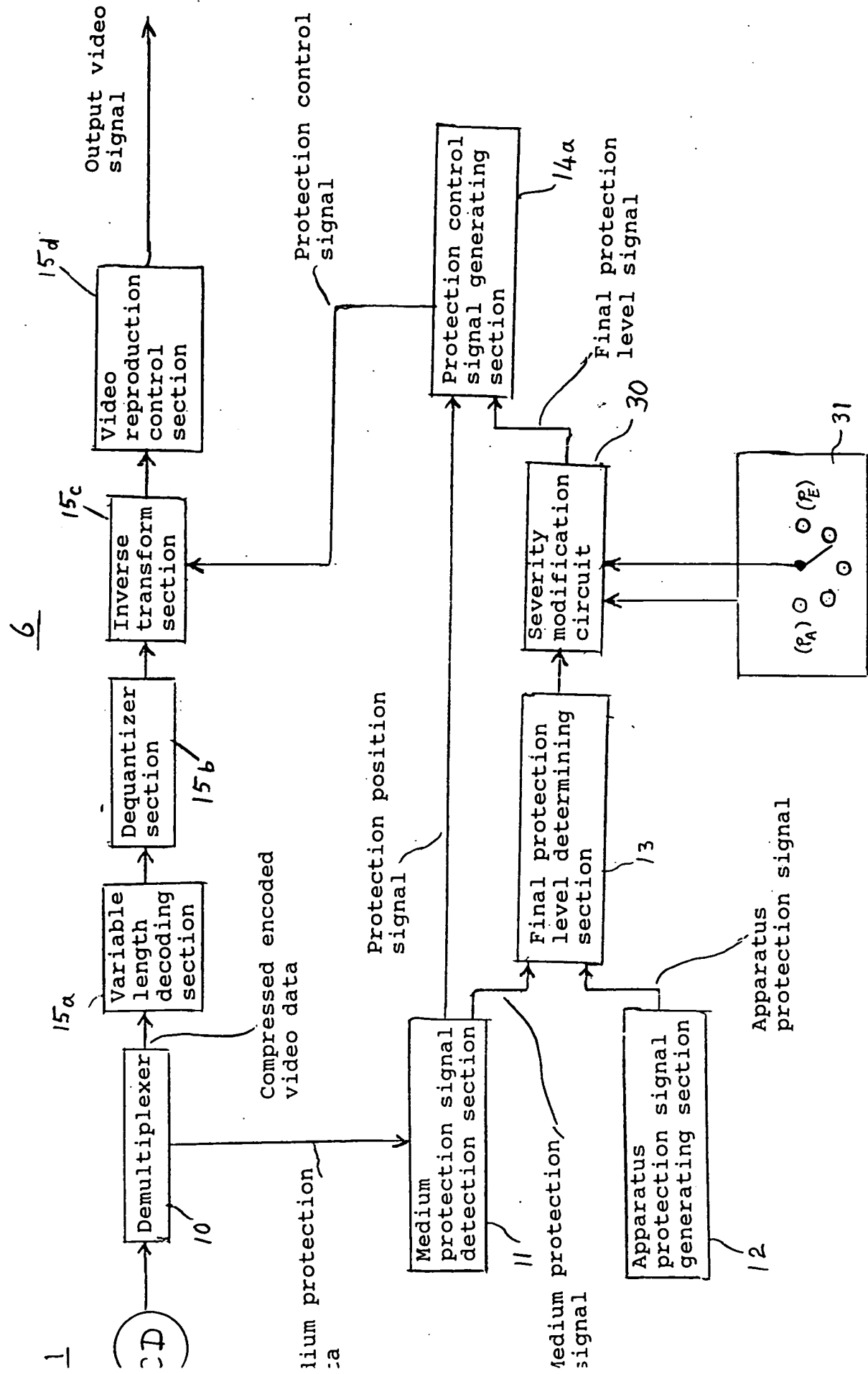
Medium protection level

Strong ↓

	1	2	3	4
1	A~E	A~E	A~E	A~E
2	A~E	A~E	A~E	B~E
3	A~E	A~E	B~E	C~E
4	A~E	B~E ~~~~~	C~E	D~E
5	E~E	E~E	E~E	E~E

FIG. 14

FIG. 15



(When apparatus protection level = 1)

	Modification switch condition				
	P _A	P _B	P _C	P _D	P _E
1	A	B	C	D	E
2	A	B	C	D	E
3	A	B	C	D	E
4	A	B	C	D	E
5	E	E	E	E	E

Medium protection level

Strong

(A)

(When apparatus protection level = 2)

	Modification switch condition				
	P _A	P _B	P _C	P _D	P _E
1	A	B	C	D	E
2	A	B	C	D	E
3	A	B	C	D	E
4	B	B	C	D	E
5	E	E	E	E	E

Medium protection level

Strong

(B)

(When apparatus protection level = 3)

	Modification switch condition				
	P _A	P _B	P _C	P _D	P _E
1	A	B	C	D	E
2	A	B	C	D	E
3	B	B	C	D	E
4	C	C	C	D	E
5	E	E	E	E	E

Medium protection level

Strong

(C)

(When apparatus protection level = 4)

	Modification switch condition				
	P _A	P _B	P _C	P _D	P _E
1	A	B	C	D	E
2	B	B	C	D	E
3	C	C	C	D	E
4	D	D	D	D	E
5	E	E	E	E	E

Medium protection level

Strong

(D)